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CENTRAL INTELLIGENCE AGENCY

REPORT NO

INFORMATION REPORT

COUNTRY Czechoslovakia

SUBJECT Evaluation of Czechoslovakian Lactic Acid Samples

PLACE ACQUIRED

25X1A

DATE ACQUIRED

DATE OF IN

DATE DISTR. 5 February 51

NO. OF PAGES 2

NO. OF ENCLS. (LISTED BELOW)

SUPPLEMENT TO REPORT NO.

a. Sample No. 1 was a bottle of lactic acid 80%.

b. Sample No. 2 was a bottle of lactic acid 50%.

2. Both samples were compared with U. S. Pharmacopoeia Standards (USP XIV) with the following results:

USP XIV Test	Sample No. 1	Sample No. 2
Residue on ignition (USP limit 1.2 mg/cc.)	3.1 mg/cc.	4.5 mg/cc.
Readily carbonizable substances	passes	passes
Chloride	does not pass	passes
Citric, oxalic, phosphoric or tartaric acid	passes	passes
Sulfate	passes	does not pass
Heavy metals	passes	passes
Sugars	passes	passes
Assay	77.1% (96.4% of declared)	49.2% (98.4% of declared)

3. The packaging of these samples was inferior to U. S. A. practice in that the bottles were closed with cork stoppers and sealing wax instead of with screw-caps provided with paraffined liners.

a. This inferior closure is believed to be responsible for the relatively dark color of the samples. The color is attributed to cork extractives.

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4. Conclusions drawn from these tests and examinations are as follows:

- a. Sample No. 1 fails to meet U. S. P. standards in the following respects:
 - (1) The residue on ignition is above U.S.P. limits.
 - (2) The chloride content is outside U.S.P. limits.
 - (3) The lactic acid content is actually 77.1% as opposed to a claimed content of 80%.
- b. Sample No. 2 fails to meet U.S.P. standards in the following respects:
 - (1) The residue on ignition is above U.S.P. limits.
 - (2) The sulfate content is outside U.S.P. limits.
 - (3) The lactic acid content is actually 49.2% as opposed to a claimed content of 50%.
- c. Each sample contains an appreciable amount of white-insoluble matter; Sample No. 1 contains considerably more than Sample No. 2.
- d. The bottle closures are inferior to those employed for similar products in USA practice.

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